AMENDMENTS TO THE CLAIMS

1.-4. (Canceled)

5. (Currently Amended) An operation control apparatus for a compressor comprising:

a current detecting unit for detecting current applied to the compressor;

a voltage detecting unit for detecting voltage applied to the compressor;

a storing means for presetting a standard current value for preventing an overcurrent generated when the compressor initially starts, and storing the set standard current value;

a comparing means for comparing the detected current value and the standard current value, and outputting a comparing signal corresponding to the comparing result; and

a control means for cutting off a current applied to the compressor by turning off a current control means installed at the compressor by the comparing result, or for controlling a stroke voltage applied to the compressor by turning on/off the current control means at a certain period,

wherein an OLP (over load protector) and/or a PTC thermistor (positive temperature coefficient thermistor) are not used for the operation control ~~apparatus.~~ apparatus, and

wherein the control means cuts off a current applied to the compressor by turning off the current control means when the detected current value is greater than the standard current value.

6. (Original) The apparatus of claim 5, wherein the current control means is one of a triac, a gto transistor (gate turn-off transistor), an igbt (insulated gate bipolar transistor), a bipolar transistor and a relay.

7. (Original) The apparatus of claim 5, wherein the compressor is installed at a refrigerator.

8. (Currently Amended) The apparatus of claim 5, wherein the control means ~~cuts off a current applied to the compressor by turning off the current control means when the detected current value is greater than the standard current value; and~~ compares the stroke value estimated

based on the detected voltage value, the detected current value and a motor constant of an interior motor of the compressor with the preset stroke reference value, and then varies a stroke of the compressor on the basis of the comparing result when the detected current value is the same as or smaller than the standard current value.

9.-10. (Canceled)

11. (Original) A method for controlling an operation of a compressor comprising:

detecting a current applied to the compressor;

comparing the detected current value and a preset standard current value;

cutting off a current applied to the compressor by turning off a current control means installed at the compressor when the detected current value is greater than the standard current value; and

when the detected current value is the same as or smaller than the standard current value, estimating a stroke of the compressor, and controlling a stroke voltage applied to the compressor by turning on/off the current control means at a certain period on the basis of the estimated value and the preset stroke standard current value.